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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,849	04/14/2006	Michael Keller	2803 1117US	9381
29894 7590 12/05/2008 DREISS, FUHLENDORF, STEIMLE & BECKER POSTFACH 10 37 62			EXAMINER	
			TURNER, ARCHENE A	
D-70032 STUTTGART, GERMANY			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			12/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/575,849	KELLER ET AL.			
Office Action Summary	Examiner	Art Unit			
	ARCHENE TURNER	1794			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w.  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) ☐ Responsive to communication(s) filed on 11 Au     2a) ☐ This action is FINAL. 2b) ☐ This     3) ☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 7 and 9-14 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 7 and 9-14 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the orange Replacement drawing sheet(s) including the correction of the orange Replacement drawing sheet(s) including the correction of the orange Replacement drawing sheet(s) including the correction of the orange Replacement drawing sheet(s) including the correction of the orange Replacement drawing sheet(s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the correction of the orange Replacement drawing sheet (s) including the orange Replacement drawing sheet (s) includ	epted or b) objected to by the Edrawing(s) be held in abeyance. See ton is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
Attachment(s)  1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 9 depends on claim 8 which has been cancelled, rendering the claim indefinite.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 7,9-10,13-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kobayashi (6,615,689) or Suzuki et al (6,177,754) or Lev et al (6,170,156) in view of SU 1151588.

Kobayashi or Suzuki et or Lev et al disclose the claimed DLC on a gear but does not disclose the claimed steel composition.

SU 1151588 discloses the claimed steel composition used for gears.

Thus it would have been obvious to one of ordinary skill in the art to use the claimed steel composition for the gears in Kobayashi or Suzuki et al or Lev et al

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as these steel compositions are known to be used for gears as shown by SU 1151588.

5. Claims 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kobayashi (6,615,689) or Suzuki et al (6,177,754) or Lev et al (6,170,156) in view of SU 1151588 in further view of Inoue (JP 2000265242).

Kobayashi or Suzuki et al or Lev et al in view of SU 1551588 discloses the invention substantially as claimed except for the explicit disclosure of the claimed thickness.

It would have been obvious to one of ordinary skill in the art to provide for the hard coating with the claimed thickness, as one of ordinary skill would how that within the claimed range would be sufficient to provide the substrate with the desired protection.

- 6. Applicant's arguments with respect to claims 7, 9-14 have been considered but are most in view of the new ground(s) of rejection.
- 7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Archene Turner whose new telephone number is (571) 272-1545. The examiner can normally be reached on Monday, Wednesday through Friday from 10:30 am. to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Milton Cano can be reached on (571) 272-1398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Please remember to include on the fax, the art unit 1775, serial number and Examiner's name.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/A. A. Turner/ Primary Examiner Group 1700

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